	INTERNATIONAL SEARCH RE	PORT	Into-at
A. CLASS			International application No.
Int.	SIFICATION OF SUBJECT MATTER C1 <sup>7</sup> H02M5/27		PCT/JP2004/013301
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According to	International Patent Classic	<i></i>	
B EIELDS	International Patent Classification (IPC) or to both SEARCHED	national classification and IP	PC .
Minimum do	Cumentation county 16		
Int.	cumentation searched (classification system follows 17 H02M5/00-5/48, H02M1/00-	ed by classification symbols)	
	7 10 37 10, NO2M1/00-	1/30, H02J3/00-5/	<b>'</b> 00
Documentation	on searched other than minimum documentation to to 70 Shinan Koho 1922–1996	1	
Jitsuy	O Shinan Koho 1922–1996	Toroka Titanes of	are included in the fields searched
	1971-2004	Titome	1994-2004
Electronic data	a base consulted during the international search (na	The of data hope 1	proku Koho 1996-2004
	(	ne of data base and, where pre	acticable, search terms used)
0 7 7 7			
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication and		
Y	JP 2003-244960 A (Yzglery		t passages Relevant to claim No.
	JP 2003-244960 A (Yaskawa 29 August, 2003 (29.08.03)	Electric Corp.),	1-3
	1 241. NOS. 100051 to 100101	; Figs 1 +0 5	
	(Family: none)	30. 1 (0 )	
Y	JP 63-114531 A (The Tokyo	77.	
Co., Inc., Fuji Electric (		Liectric Power	1-3
	Page 2, upper right column, upper left column, line 2;	line 8 to page	3,
	(Family: none)	drawings	
. A	JP 61-60333 7 (- )		1
	JP 61-69333 A (Toshiba Corp.), 09 April, 1986 (09.04.86),		1-3
	rull cext; Fig. 7		.   1-3
1	(Family: none)		1
}	•		
			1
Further doc	uments are listed in the continuation of Box C.	По	
Special catego	ries of cited documents:	See patent family an	
document defi to be of particu	ining the general state of the art which is not considered	"T" later document published date and not in conflict	d after the international filing date or priority
earlier applicat	ion or patent but published on or after the international	are principle or theory ur	nderlying the invention
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cited to establ special reason (	as the publication date of another citation or other as specified)	step when the document	is taken alone
document referring to an oral disclosure, use out it is		"Y" document of particular re	elevance; the claimed invention cannot be
document published prior to the international filing date but later than the priority date claimed		considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
		"&" document member of the	same patent family
of the actual co	empletion of the international search		
13 Decemb	per, 2004 (13.12.04)	Date of mailing of the intern	ational search report
		20 December,	2004 (28.12.04)
and mailing ac	ddress of the ISA/	Authorized	
Japanese	Patent Office	Authorized officer	
nile No.		т.,	
CT/ISA/210 (se	econd sheet) (January 2004)	Telephone No.	1

## INTERNATIONAL SEARCH REPORT

International application No.

C (Continuation	n). DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/JP2	2004/013301
Category*	Citation of decorporate with it is		
A	Citation of document, with indication, where appropriate, of the red  JP 4-33527 A (Toyo Electric Mfg. Co., I 04 February, 1992 (04.02.92), Full text; Fig. 3 (Family: none)	levant passages	Relevant to claim No
A	JP 8-265085 A (Nemic-Lambda Kabushiki K 11 October, 1996 (11.10.96), Full text; Fig. 1 (Family: none)	(aisha),	1-3
DCT/ICA/D10 (	nuation of second sheet) (Japana 2004)		

The inventions of claims 2, 3 include "a voltage detection device for detecting voltage at both ends of the smoothing capacitor". However, what is disclosed within the meaning of PCT Article 5 is only a PWM cyclo converter not having the voltage detection device disclosed in the Description. That is, claims 2, 3 are not supported by the Description within the meaning of PCT Article 6.

Accordingly, the search has been performed for the range supported by and disclosed in the Description, i.e., the PWM cyclo converter not having the voltage detection device.